

What is claimed is:

1. A display panel comprising:

first and second substrates placed opposite each other to form

5 a hermetically sealed space between them;

a resin layer formed on the first substrate; and

a metal plate covered with an insulating layer, and fixed onto
an inner surface of the first substrate by the resin layer, and
having a plurality of formed-for-unit-light-emission-area through
10 holes formed in a matrix arrangement in a portion of the metal plate
opposite a display area portion of the first substrate for formation
of unit light emission areas, and burning-process-use through holes
formed in a portion of the metal plate opposite a non-display area
portion of the first substrate to function in a burning process.

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2. A display panel according to claim 1, wherein said
burning-process-use through holes are formed at regular intervals
in the portion of the metal plate opposite the non-display area
portion of the first substrate.

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3. A display panel according to claim 1, further comprising a
registration mark indicated in a selected position on the inner
surface of the first substrate, and a registration through hole
formed in a portion of the metal plate opposite the registration
25 mark indicated on the first substrate.

4. A display panel according to claim 3, wherein a plurality of

said registration marks are respectively indicated in a plurality of positions of the first substrate, and the registration through holes are formed in the metal plate in a number corresponding to the number of registration marks indicated on the first substrate.

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5. A method of manufacturing a display panel, comprising the steps of:

forming a resin layer on an inner surface of a first substrate of first and second substrates which are placed opposite each other

10 to form a hermetically sealed space between the two substrates;

arranging, on the resin layer formed on the first substrate, a metal plate covered with an insulating layer and having a plurality of formed-for-unit-light-emission-area through holes formed in a matrix arrangement in a portion opposite a display area portion 15 of the first substrate for formation of unit light emission areas, and burning-process-use through holes formed in a portion opposite a non-display area portion of the first substrate to function in a burning process; and

burning the first substrate, having the metal plate arranged 20 thereon, to fix the metal plate onto the first substrate by the resin layer.

6. A method of manufacturing a display panel according to claim 5, wherein in the step of arranging the metal plate on the resin 25 layer formed on the first substrate, a position of a registration through hole formed in the metal plate and a position of a registration mark formed in a selected position on the inner surface of the first

substrate are aligned with each other for registration of the metal plate with respect to the first substrate.

7. A display-panel-use partition wall made of metal and placed
5 between two first and second substrates, arranged opposite each other with a hermetically sealed space in between, to partition the hermetically sealed space into unit light emission areas, the display-panel-use partition wall comprising:

formed-for-unit-light-emission-area through holes formed in
10 a matrix arrangement in a portion of a metal plate opposite a display area portion of the first substrate for formation of the unit light emission areas;

burning-process-use through holes formed in a portion of the metal plate opposite a non-display area portion of the first
15 substrate to function in a burning process; and

an insulating layer covering an outer surface of the display-panel-use partition wall.

8. A display-panel-use partition wall according to claim 7,
20 wherein said burning-process-use through holes are formed at regular intervals in the portion of the metal plate opposite the non-display area portion of the first substrate.

9. A display-panel-use partition wall according to claim 7,
25 further comprising a registration through hole formed in the portion of the metal plate opposite the non-display area portion of the first substrate.

10. A display-panel-use partition wall according to claim 9,
wherein the registration through holes are formed in plural in the
metal plate.